

Speculative Packet Selection For Transmission of Isochronous Data

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5 Abstract

A refetch logic propagates data from a first source to a link controller by default. The link controller prefetches data from the refetch logic to generate a first packet prior to receiving control of the transmission medium on which the data is to be transmitted. The refetch logic changes sources and propagates to the link controller data from a second source if necessary. At the same time, the refetch logic also causes the link controller to discard the first packet and generate a second packet from data provided by the second source.